LIQUID METAL ENGINEERING CENTER

MEMORANDUM

Date: October 26, 1970

To: J. Hall / J. F. Marron
720 T-038 720 T-211

From: C. C. Conners/H. B. Dietz
723 T-038 720 T-038

Phone: 6358/6387

Subject: Pump Bearing Test Program - Project Engineering Responsibilities

Attached is a summary of assigned Project Engineering responsibilities for the subject program. Included is a re-allocation of FY-71 funds.

Please plan and control your project costs in accordance with this breakdown.

C. C. Conners
C. C. Conners
Project Manager
Pump Systems

H. B. Dietz for
H. B. Dietz
Program Manager

CCC/HBD:tag

cc:
R. W. Atz
G. A. Beer
J. C. Cochran
R. W. Dickinson
R. S. Duncan
D. Dunbar ✓
O. J. Foust
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J. E. Owens
A. C. Williams
R. L. Zeimer
Proj File: Bearing Program

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ATTACHMENT 1

PUMP BEARING TEST PROGRAM

PROJECT ENGINEERING RESPONSIBILITIES

	P.E. - J. Hall S/A 14200	P.E. - J. Marron S/A 14201	FY-71 Budget Allocation
Task A - Project Management			
1. Project Management	*		
2. Project Engineer - Bearing Program	*		
3. Project Engineer - PBTF		*	
4. Quality Assurance	*		
5. Travel Expenses			
Sub-Total			
Task B - Supporting Technology			
Sub-Total			
Task C - Test Bearing Procurement			
1. Complete drawings of test bearing configu			
Sub-Total			
Task D - Bearing Test Program	*		

REDACTED

1. Facility check-out
   a) Prepare and issue procedures
   b) Obtain operating crew and familiarize them with the facility
   c) Start facility check-out
2. Facility Operation
   a) Prepare facility operating procedures
   b) Maintain and control existing systems and equipment
   c) Review facility design and construction
   d) Prepare facility maintenance procedures

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	S/A 14200	S/A 14201
3. FFTF Bearing Testing	*	
a) Complete and issue Test Plan		
b) Perform water tests of piston rings		
c) Install bearing tester internals		
(1) Prepare assembly and installation procedures		
(2) Assemble bearing and tester internals		
(3) Install tester internals, drive and connecting lines		
(4) Procure and install special instrumentation		
(5) Provide Q/V		
d) Obtain and install DAS equipment (includes necessary design work)		
e) Prepare test procedures		
f) Provide handling fixture (design & fabricate)		
g) Provide necessary operating fluids (Na, lubricants, inert gas)		
4. General	*	
a) Provide necessary support for:		
(1) Reviews		
(2) Technical editing and reports		
(3) Computer time		
(4) Assistance from staff specialists		
(5) Preparation of required PBTF Working Procedure		
Sub-Total	REDACTED	$ 0

Task E - PBTF Renovation *

1. Renovation of Existing Equipment		
a) Complete and issue designs		
b) Establish contracts (and/or work authorization)		
c) Complete instrumentation and equipment renovation		
d) Provide Q/V and source inspection		
e) Provide engineering follow-up		
Sub-Total	$ 0	REDACTED
2. Renovation of Facilities		*
- Completed -		

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	S/A 14200	S/A 14201
3. Production of Bearing Tester	*	
a) Complete and issue designs		
b) Revise design (if necessary to accommodate selected pump supplier)		
c) Establish contracts (and/or work authorizations)		
d) Fabricate or modify components (includes necessary procedure preparation, qualifications and documentation)		
e) Provide Q/V and source inspection		
f) Provide design follow-up		
g) Provide closure over bearing tester to permit operation of sodium system with internals removed.		
Sub-Total	REDACTED	$ 0
4. Construction & Renovation of Facility		*
a) Complete and issue design packages & FSDD		
b) Establish contracts (and/or work authorizations)		
c) Procure advance purchase items		
d) Construct facility		
e) Provide Q/V and source inspection		
f) Provide Construction Management		
g) Provide A/E follow-up during fabrication and construction		
h) Prepare final construction report		
i) Material warehousing for existing and advance procurement items		
j) Cost estimates for PBTF		
Sub-Total	$ 0	EDACTE
5. General		*
a) Provide necessary support for:		
(1) Reviews		
(2) Technical editing and reports		
(3) Computer time		
(4) Assistance from staff specialists		
(5) Preparation of necessary PBTF Working Procedures		
Sub-Total	REDACTED	
Total (Operating Funds)		

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In addition to the Operating Funds, GPP and Equipment Funds are assigned as follows:

		P.E. - J. Hall	P.E. - J. Marron
	GPP Funds		
FY-70	Equipment Funds	REDACTED	
FY-71	Equipment Funds		

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